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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/499,819	02/08/2000	Sivaramakrishna Kuditipudi	FORE-57	1785

7590 05/22/2006

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EXAMINER

BLAIR, DOUGLAS B

ART UNIT	PAPER NUMBER
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2142

DATE MAILED: 05/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/499,819

Applicant(s)

KUDITIPUDI ET AL.

Examiner

Douglas B. Blair

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 February 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 14, 17-23 and 25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 14, 17-23 and 25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Response to Amendment

1. Claims 14, 17-23 and 25 are currently pending in this application.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2/17/2006 has been entered.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 14, 17-23 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable U.S. Patent Number 6,304,549 to Srinivasan et al. in view of the Fore-Switch-MIB Definitions paper.
5. As to claim 14, Srinivasan teaches a telecommunication system comprising: S switches, where S is an integer greater than or equal to 2, each switch having a topology database with all configuration information of the S switches, any one switch providing all the configuration information for all of the S switches (col. 7, lines 16-31, the connection servers are interpreted as

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being the claimed switches, and only the connection servers), the configuration information is defined in a Management Information Base, the switches send configuration information to each other, the switches send SNMP queries to each other to return retrieved configuration information from each other, and the switches respond to the SNMP queried by sending the requested configuration information to the other switches which sent the SNMP queries (col. 2, line 57-col. 3, line 10, though Srinivasan does state that the use of SNMP and MIB's is inefficient, none the less, the use is taught); however Srinivasan does not explicitly teach configuration in the Management Information Base including an IP address, a switch name, a software version, and a hardware type.

The Fore-Switch-MIB Definitions paper teaches a Management Information Base containing configuration information including the name of the switch, a software version, and a hardware type (See MIB Groups section).

It would have been obvious to one of ordinary skill in the Computer Networking art at the time of the invention to combine the teachings of Srinivasan regarding the topology discovery with the teachings of the Fore-Switch-MIB Definitions paper regarding specific configuration information with in the management information base because the teachings of Srinivasan mention the use of MIB modules such as the Fore-Switch MIB module.

6.

7. As to claim 17, Srinivasan teaches a system wherein the switches attach a systems information group to a nodal information group to propagate the configuration information to the other switches in response to a query (col. 6, line 45-col. 7, line 30).

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8. As to claim 18, Srinivasan teaches a system wherein switches have one or more logical nodes (col. 6, line 45-col. 7, line 30).
9. As to claim 19, Srinivasan teaches a system wherein the nodes form a first PNNI group (col. 6, line 45-col. 7, line 30).
10. As to claim 20, Srinivasan teaches a system including a plurality of PNNI groups (col. 6, line 45-col. 7, line 30).
11. As to claim 21, Srinivasan teaches a system wherein any node of the first PNNI group can provide all the configuration information for the first PNNI peer group (col. 6, line 45-col. 7, line 30).
12. As to claim 22, Srinivasan teaches a method for operating a telecommunications network comprising the steps of: placing configuration information of a first switch of the network into a topology database of the first switch, the configuration information; sending an SNMP query from the second switch to the first switch for configuration information in the topology database of the first switch (col. 2, line 57-col. 3, line 10); and propagating the configuration information of the first switch to a second switch of the network (col. 7, lines 16-31); however, Srinivasan does not explicitly teach configuration including the IP address, the name of the switch, a software version, and a hardware type.

The Fore-Switch-MIB Definitions paper teaches configuration information including the name of the switch, a software version, and a hardware type (See MIB Groups).

It would have been obvious to one of ordinary skill in the Computer Networking art at the time of the invention to combine the teachings of Srinivasan regarding the topology discovery with the teachings of the Fore-Switch-MIB Definitions paper regarding specific configuration

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information with in the management information base because the teachings of Srinivasan mention the use of MIB modules such as the Fore-Switch MIB module.

13. As to claim 23, Srinivasan teaches a method wherein the first and second switches are in a PNNI peer group, and after the propagating step, there is the step of retrieving configuration information for all the switches in the PNNI peer group from the first switch (col. 6, line 45-col. 7, line 30).

14. As to claim 25, Srinivasan teaches a method wherein a propagating step includes the steps of attaching a system information group having the configuration information from the topology database of a first switch requested by a query to a nodal information group (col. 6, line 45-col. 7, line 30); and propagating the system information group attached to the nodal information group to the second switch (col. 6, line 45-col. 7, line 30).

Response to Arguments

15. Applicant's arguments with respect to claims 14, 17-23, and 25 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

16. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas B. Blair whose telephone number is 571-272-3893. The examiner can normally be reached on 8:30am-5pm Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Harvey can be reached at 703-305-9705. The fax phone numbers for the

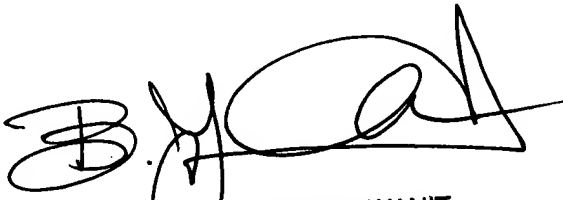
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organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3800.

Douglas Blair
May 14, 2006

DBB



BUNJOB JAROENCHONWANIT
SUPERVISORY PATENT EXAMINER